

Notice of Allowability

Application No.

10/039,638

Examiner

John P Trimmings

Applicant(s)

TU ET AL.

Art Unit

2133

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment dated 12/6/2004.
2. ☒ The allowed claim(s) is/are 1,4-12,14-22,24-41, renumbered as 1-37.
3. ☒ The drawings filed on 12/6/2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 12/6/04,1/31/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 03222005.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


ALBERT DECADY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

DETAILED ACTION

This Office Action is in response to the applicant's amendment dated 12/6/2004.

Claims 1, 4, 5, 9, 12, 17, 21, 22, 24 and 26 were amended by the applicant.

Claims 2, 3, 13 and 23 were cancelled by the applicant.

Claims 31-41 were added as new claims by the applicant.

Claims 1, 4-12, 14-22 and 24-41 are pending.

Information Disclosure Statement

The examiner acknowledges receipt of Information Disclosure Statements dated 12/6/2004 and 1/31/2005, and has considered said disclosures.

Response to Amendment

Objections to Claims and Drawings

1. In view of the applicant's changes to Figure 3, and Claims 4, 9 and 12, the examiner withdraws all objections to said figure and claims.

Rejections under 35 USC 112 2nd Paragraph

2. In view of the applicant's amendment to Claims 14 and 21, the examiner withdraws the rejections of said claims under 35 USC 112 2nd paragraph as lacking antecedent basis.

Response to Arguments

Rejections under 35 USC 112 1st Paragraph

3. In view of the applicant's argument in re: Claims 8, 20 and 29, the examiner withdraws the rejection of said claims under 35 USC 112 first paragraph.

Rejections under 35 USC 112 2nd Paragraph

4. In view of the applicant's argument re: Claim 30 as having proper antecedent basis, the examiner disagreed, and maintained the rejection of said claim, but in an examiner's amendment (see Examiner's Amendment below), Claims 22, 24 and 25 were amended to correct the basis for Claim 30, and so the examiner withdraws the rejection of Claim 30.

Rejections under 35 USC 102 and 103

5. Applicant's arguments, see amendment, filed 12/6/2004, with respect to independent Claims 1, 9, 17 and 22 have been fully considered and are persuasive. The rejections of Claims 1, 4-12, 14-22 and 24-30 has been withdrawn.

EXAMINER'S AMENDMENT

6. The application has been amended as follows:

In a telephone interview with the applicant representative, Dan DeVos, the Claims 20, 22, 24, 25 and 34 were changed as follows:

Claim 20: Change line 1 to recite, "The system of claim 19" instead of "The system of claim 18".

Claim 22: Change line 4 to recite, "a first set of voltage nodes" instead of "a set of voltage nodes". Change line 7 to recite, "the first sets of voltage nodes"

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instead of "the sets of voltage nodes". Change line 8 to recite, "the first sets in specified" instead of "the sets in specified".

Claim 24: Change line 2 to recite, "the first set of voltage nodes" instead of "the set of voltage nodes".

Claim 25: Change line 1 to recite, "the first set of voltage nodes" instead of "the set of voltage nodes".

Claim 34: Change line 1 to recite, "The apparatus of claim 33" instead of "The apparatus of claim 34".

Allowable Subject Matter

7. Claims 31-41 are allowed.

The following is an examiner's statement of reasons for allowance: The reference art of Bock, Milburn and Colley teach an apparatus/method consisting of an FRC processor with two execution cores with scan chains used to transfer data in the cores for the purpose of a reset. However, the prior arts of record taken alone, or in combination failed to teach, anticipate, suggest, or render obvious the claimed invention or the method steps of the application. Specifically, as per Claims 31 and 37, the prior arts failed to teach, anticipate, suggest, or render obvious the limitation introduced into these claims, namely: the "reset" is generated internal to the FRC processor. Consequently, dependent Claims 32-36 and 38-41 are also allowed.


In all, Claims 1, 4-12, 14-22, 24-41 are allowed, and are renumbered as Claims 1-37.

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to John P Trimmings whose telephone number is (571) 272-3830. The examiner can normally be reached on Monday through Thursday, 7:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Albert DeCady can be reached on (571) 272-3819. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


John P Trimmings
Examiner
Art Unit 2133

jpt


ALBERT DECADY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

Change Approved 3/22/05

In the Drawings

The attached drawing sheet contains an amendment to Figure 3. Reference to numbers 330(1)...330(j) has been corrected to read 350(1)...350(j). Applicants submit that no other figure has been amended and no new matter is disclosed.

Attachment(s): Replacement Sheet Figure 3 as Designated in the Top
Margin.



Replacement Sheet

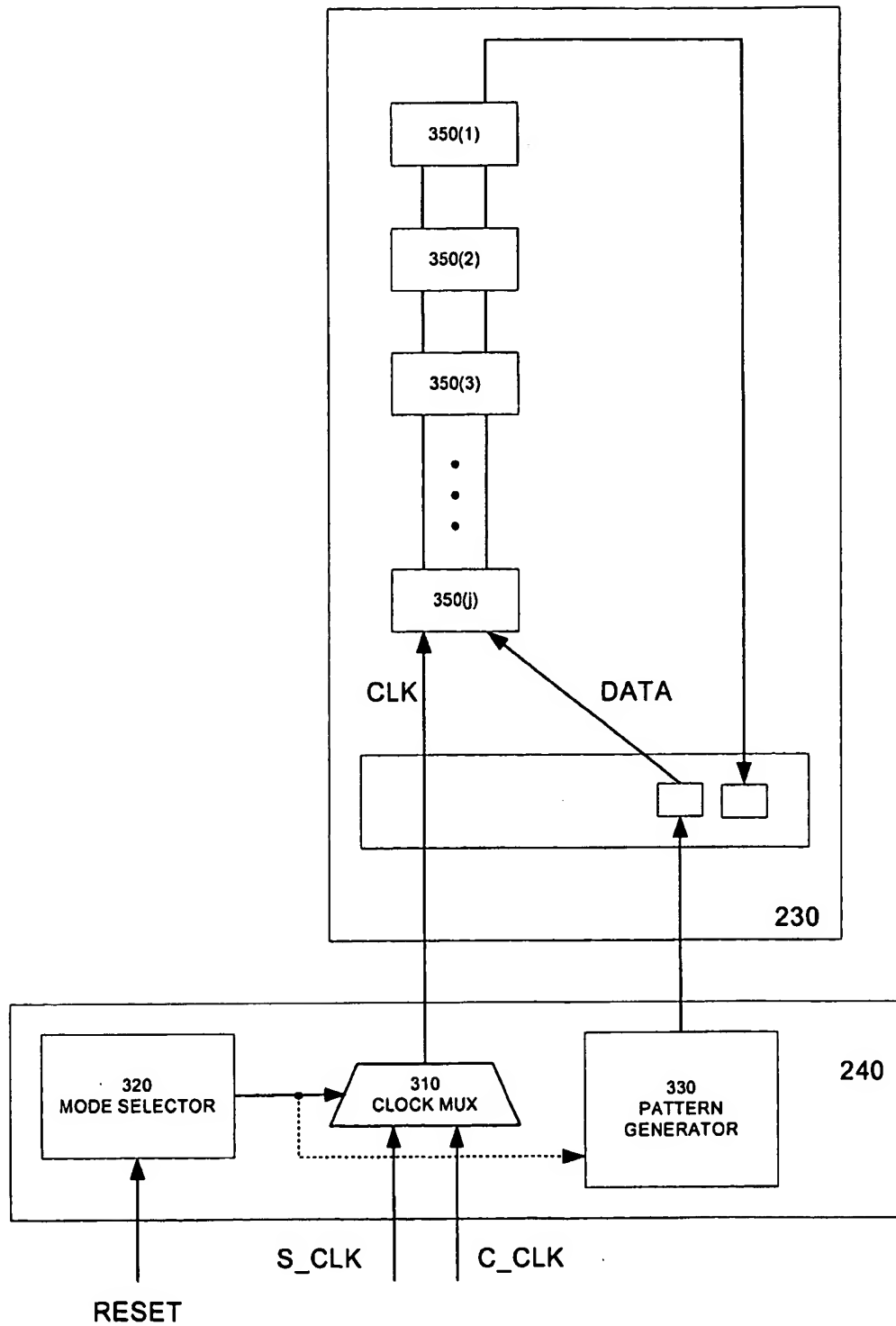


Fig. 3